

Maintains the light colour of wooden floors

High resistance



Odourless



Fireproofed C_fS1*



Fast drying and hardening



Floor lacquer for normal traffic on all types of wood, including exotic wood



Athen™

Floor lacquer for all wood floors



PRODUCT DESCRIPTION

- BLANCHON ATHEN™ is a water-based, odourless wood floor lacquer.
- ATHEN™ is easy to use and quick: it does not require mixing with a hardener. It dries and hardens quickly, meaning a rapid return to use of the premises following completion. It has very high build qualities.
- ATHEN™ is ideal for all properly prepared interior wood floors (see § SURFACE PREPARATION): living rooms, bedrooms, lounges, stairs, etc. (not suitable for exterior use). It can be applied on all commonly used types of wood (for beech, walnut or rare wood please consult us) and highlights light-coloured woods whilst preserving their original (i.e. unfinished) colour.
- Available in 2 colourless finishes: clear satin and clear matt.

*Fire classification C_fS1 achieved on 8mm-thick oak or beech flooring adhered to the support.

SURFACE PREPARATION

- ATHEN™ may only be applied to wood that has been taken back to bare and evened out by sanding (stripping and dewaxing are not recommended; see § APPENDIX), and is free of dust and traces of detergent, grease, wax, polish or linseed oil (or other special oils).
- The wood floor must be perfectly clean and dry: in general, humidity below 10%; consult the French installation standards (D.T.U.) in force (do not use washing powder, bleaching agents or floor cleaner).
- Then clean thoroughly.
- For glued wood flooring, use BLANCHON RESIN FILLER, which is recommended for colour-matched filling.
- Consult the Technical Data Sheet for this product.

Insecticide treatment

- If necessary, use a suitable treatment product.

Wood staining

- Sanded floors (to bare wood) can be stained using BLANCHON WATERBORNE DYE for floorlayers or BLANCHON WOOD AGEING AGENT. When using these products, once the stain has dried, apply 1 coat of BLANCHON S.O. PRIMER to fix the stain.
- In all cases, never sand the stain itself. It is recommended to sand the wood floor before applying the final coat of ATHEN™, after the previous coat is completely dry (approximately 3 hours). Carefully remove all traces of dust before applying the final coat of ATHEN™ finishing.
- Do not use woodstain.

Primer before lacquering

- The use of a BLANCHON Primer as a first coat means that 2 coats of ATHEN™ can be applied on top (2-coat application involving 1 coat of ATHEN™ onto 1 coat of hardener is not suitable).
- The FAST-DRYING PRIMER allows fast completion with an easy and odourless application. Like ATHEN™, the FAST-DRYING PRIMER preserves the natural colour of the wood.
- PREPLAST PRIMER is particularly recommended on previously waxed, oiled or stained floors (see § WOOD STAINING). Its use gives the original wood a warm colour.
- In all cases, the wood floor must be perfectly dry and clean. Remove all traces of dust before applying any finishing product.

DIRECTIONS FOR USE

- NO MIXING: SINGLE COMPONENT. No dilution is required.
- Shake well before use.
- Do not lacquer the wood floor if the temperature is below 12°C or if the relative humidity exceeds 85%. Never use on wood where the moisture content is higher than 10%. Use only in well-ventilated areas.
- Apply 3 even and generous coats with a roller, graining brush or brush (for edges or small areas).
- NB: the slightly milky appearance of the liquid disappears within a few minutes as it dries.
- Once the first coat has dried, a light sanding with a buffing machine (fine sanding disc) is recommended, followed by careful vacuum cleaning. Do not use steel wool.
- Sanding is essential if more than 24 hours elapse between coats.

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Cleaning of tools

- Clean tools immediately after use with water.
- Protecting the environment:
 - Carefully remove excess moisture from the equipment after application; dry thoroughly.
 - Rinse using very little water in a container; allow the water to evaporate.
 - The dry residue may then be disposed of normally in a bin.
 - Seal the containers properly after use.
 - Do not discharge the residue into drains.
 - Dispose of empty containers at a waste recycling centre.

DRYING TIMES

- Dust-free drying: 45 minutes.
- "Sandable/recoatable" drying: 3 hours in normal conditions.
- Do not leave more than 24 hours between coats (if this happens, sanding is essential).
- Final hardness: 8 to 10 days.
- Light traffic: 24 hours.
- Occupation of the premises: during the first 10 days take some precautions: do not cover (protective sheets), do not place carpets on the lacquered wood floor during this period. Do not move heavy furniture. Remove dust with a vacuum cleaner or broom (do not use impregnated textiles).
- Next: place suitable protection (felt) under the feet of tables and chairs. If necessary, a quality doormat placed at the entrance to the room will retain dust and gravel. Do not allow water or other liquids to stagnate on your lacquered wood floor (isolate flower pots).

COVERAGE

- 10 m² per litre per coat.

STORAGE

- Store carefully, protect from frost (take care when storing in vehicles).
- Re-seal carefully after use.

MAINTENANCE

- ATHEN™ allows easy maintenance of all types of wood flooring.
- ROUTINE MAINTENANCE: remove dust frequently with a vacuum cleaner (or a broom), accompanied by regular wet wiping (well-wringing cloth or mop and never dripping).
- LAGOON® cleans daily. CLEANER LISABRIL™ removes grease from all wood floors for a deep clean. It preserves the original finish.
- IMPORTANT: wait 10 days before using any maintenance products to allow ATHEN™ time to fully cure.
- DO NOT USE: floor cleaning machine, mop, silicone-based polishes, ammonia products or abrasive detergents, etc., i.e. all materials and products likely to damage the slip resistance of the product or increase its shine level.
- Heavy-traffic areas can be maintained on a regular basis with BLANCHON PROTECTORS SATIN or METAMAT® and the CLEANER LISABRIL™.
- On ATHEN™ Natural Wax, use only the PROTECTOR MATT, CLEANER LISABRIL™ or LAGOON® so as not to alter the original look.

TECHNICAL DATA

USE FLOOR VARNISH	FOR ALL WOOD FLOORS
RESIN TYPE	Water-based polyurethanes
AFNOR CLASSIFICATION	Family 1, class 7b2
DENSITY	1.05 (at 20°C, as per NF T 30020)
VISCOSITY	140 centipoises (BROOKFIELD T2)
REGULATORY INFORMATION	Refer to the relevant Safety Data Sheet (available at www.blanchon.com or www.quickfds.com)
NO MIXING	Ready to use
RESANDABLE - RECOATABLE	3 hours, depending on temperature and moisture content
RESISTANCE TO TABER ABRASION	Weight loss: 45 mg (CS 10 wheels, 1000 rpm, 1 kg)
RESISTANCE TO SHOCK	50 cm (400 g chuck) (as per NF T 30039)
RESISTANCE TO SCRATCHING	7H pencil
RESISTANCE TO HOUSEHOLD PRODUCTS	Vegetable oil, mustard, ketchup, vinegar, water, coffee, tea, common household detergents, alcohol 40°, ink, diluted bleach: no adverse effects found (after 20 days' drying, as per NF T 30053). Do not use ammonia-based products

APPENDIX: SANDING A WOOD FLOOR USING A MACHINE

- This is done using a special floor sander, with an edge sander for the edges and a scraper for the corners.
- The floor sanding machine is used in the direction of the light or better, if possible, in the direction of the wood.
- Work in even, regular "sweeps" to ensure that the entire surface is done in an identical manner.
- 1st pass: coarse grit (24, 30 or 36) to expose the bare wood and level it.
- 2nd pass: medium grit (50 or 60) to get a smooth, even surface.
- 3rd pass: fine grain (100 or 120) to complete the finish.
- Do all the edges of the room with the edge sander and scraper.
- Polishing with a buffing machine fitted with an abrasive mesh (100 or 120) ensures that the surface is perfectly prepared, especially in the case of flooring that has alternating lines: mosaics, chevrons, herringbone pattern, basket weave pattern, etc.
- Remove all dust carefully, using a powerful vacuum cleaner, from the area to be lacquered, including any skirting boards, window ledges and radiators.

Technical Data Sheet approved by the Technical Service and issued in July 2018.

Designed, developed and manufactured in France.

The information contained in this Technical Data Sheet is provided in good faith as a guideline only. Under no circumstances can this information be considered as a guarantee given by us or incur our liability when our products are used.

This Technical Data Sheet cancels and replaces all previous versions.

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